

26. (Twice amended) A method for producing a biochip comprising a plate comprising a plurality of spots comprising probes, the method comprising the following steps:

(a) providing a mixture of a binding agent and a plurality of probes, wherein the binding agent is selected from the group consisting of a poly-L-lysine and a carbodiimide; and

(b) locally spotting the mixture to a plurality of positions on the plate, wherein the mixture is only spotted on an area of the plate where a probe is desired to be immobilized and the probe is immobilized to the plate by binding to the binding agent.

41. (Amended) A method for producing a biochip comprising a plurality of spots comprising probes, the method comprising the following steps:

(a) providing a binding agent, wherein the binding agent is selected from the group consisting of a poly-L-lysine and a carbodiimide, and a plurality of probes;

(b) first spotting the binding agent to a plurality of positions on the biochip, wherein the binding agent is locally spotted with a pin or a tube and the binding agent is only immobilized on a spotted area of the biochip, wherein the pin or the tube comprise a tip comprising at least one recess on the tip; and

(c) after the spotting of the binding agent in step (b), locally spotting a plurality of probes onto the positions spotted in step (b), wherein the plurality of probes are locally spotted with the pin or the tube and the probe is immobilized to the surface by binding to the binding agent.

Please add the following new claims:

--42. (NEW) The method of claim 24, claim 25 or claim 41, wherein the surface comprises a material selected from the group consisting of a nylon membrane, a glass, a silicone wafer, a polyimide resin and a polymer plastic.

43. (NEW) The method of claim 24, claim 25, claim 26 or claim 41, wherein the probe comprises a DNA.

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44. (NEW) The method of claim 24, claim 25, claim 26 or claim 41, wherein the probe comprises an RNA.

45. (NEW) The method of claim 24, claim 25, claim 26 or claim 41, wherein the probe comprises a protein.

46. (NEW) The method of claim 24, claim 25, claim 26 or claim 41, wherein the binding agent comprises a poly-1-lysine.

47. (NEW) The method of claim 24, claim 25, claim 26 or claim 41, wherein the binding agent comprises a carbodiimide.--
